

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A light emission device comprising:
a lead frame comprising a first lead frame segment and a second lead frame segment, wherein said first lead frame segment comprises a first recess, wherein said first recess is a reflector cup, and wherein said first lead frame segment comprises a second recess;
a light source coupled to said first lead frame segment, wherein said light source resides at least partially within said first recess;
a wire bond coupled to said light source and coupled to said second lead frame segment; and
an epoxy cast encasing said light source, said wire bond, and a portion of said lead frame, such that said epoxy cast fills said second recess for anchoring said epoxy cast to said first lead frame segment.
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Original) The light emission device as recited in Claim 1 wherein said epoxy cast comprises a shaped epoxy portion.
6. (Original) The light emission device as recited in Claim 1 wherein said lead frame comprises plating.

7. (Original) The light emission device as recited in Claim 1 wherein said epoxy cast comprises a color tinting.

8. (Original) The light emission device as recited in Claim 1 wherein said epoxy cast is operable to diffuse light from said light source.

9. (Original) The light emission device as recited in Claim 1 further comprising a second wire bond coupled to said first lead frame segment and said light source.

10. (Original) The light emission device as recited in Claim 5 wherein said shaped epoxy portion is a dome shape.

11. (Original) The light emission device as recited in Claim 1 wherein said light source is a light emitting diode die.

12 through 19. (Cancelled)

20. (Currently Amended) A light emission device comprising:
a lead frame comprising a first lead frame segment and a second lead frame segment;
a light emitting diode coupled to said first lead frame segment, said first lead frame segment comprising a first recess such that said light emitting diode resides at least partially within said first recess, and wherein said first lead frame segment comprises a second recess;

a wire bond coupled to said light emitting diode and coupled to said second lead frame segment; and

an epoxy cast encasing said light emitting diode, said wire bond, and a portion of said lead frame, said epoxy cast comprising a shaped epoxy portion, wherein said epoxy cast fills said second recess for anchoring said epoxy cast to said first lead frame segment.

21. (Cancelled)

22. (Original) The light emission device as recited in Claim 20 wherein said first recess is a reflector cup.

23. (Previously Presented) The light emission device as recited in Claim 20 wherein said shaped epoxy portion is incident to said light emitting diode.

24. (Original) The light emission device as recited in Claim 20 wherein said lead frame comprises plating.

25. (Original) The light emission device as recited in Claim 20 wherein said epoxy cast comprises a color tinting.

26. (Previously Presented) The light emission device as recited in Claim 20 wherein said epoxy cast is operable to diffuse light from said light emitting diode.

27. (Previously Presented) The light emission device as recited in Claim 20 further comprising a second wire bond coupled to said first lead frame segment and said light emitting diode.

28. (Original) The light emission device as recited in Claim 20 wherein said shaped epoxy portion is a dome shape.

29. (New) The light emission device as recited in Claim 1 wherein said second recess is on an opposite side of said first lead frame segment than said first recess, such that at least a portion of said first lead frame segment is completely surrounded by said epoxy cast.

30. (New) The light emission device as recited in Claim 20 wherein said second recess is on an opposite side of said first lead frame segment than said first recess, such that at least a portion of said first lead frame segment is completely surrounded by said epoxy cast.